

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	381/96.ccls. and digital SAME analog SAME filter SAME amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/02 17:04
L2	16	381/58-59.ccls. and digital SAME analog SAME filter SAME amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/02 17:00
L3	3	381/96.ccls. and analog adj3 digital adj3 conver\$5 SAME filter SAME amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/02 17:05
L4	2	381/111-115.ccls. and analog adj3 digital adj3 conver\$5 SAME filter SAME amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/02 17:05
L5	33	381/111-115.ccls. and microphone SAME filter SAME amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/02 17:06
L6	20	381/96.ccls. and microphone SAME filter SAME amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/02 17:06
S1	0	381/111-117.ccls. and bidirectional adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:05
S2	0	381/111.ccls. and bidirectional adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 14:01
S3	4	"381"/\$.ccls. and bidirectional adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 14:03
S4	0	"381"/59.ccls. and bidirectional adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:03
S5	84	"381"/59.ccls. and microphone WITH (speaker or loudspeaker)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 14:04
S6	72	"381"/59.ccls. and microphone WITH (speaker or loudspeaker)	US-PGPUB; USPAT	OR	OFF	2005/03/09 14:06
S7	64	"381"/96.ccls. and microphone WITH (speaker or loudspeaker)	US-PGPUB; USPAT	OR	OFF	2005/03/09 14:12
S8	39618	"381"/111-115.ccls. and microphone modulat\$3 SAME sampl\$3	US-PGPUB; USPAT	OR	OFF	2005/03/09 14:12
S9	10	"381"/111-115.ccls. and microphone SAME modulat\$3 SAME sampl\$3	US-PGPUB; USPAT	OR	OFF	2005/03/09 14:16
S10	5	700/94.ccls. and microphone SAME modulat\$3 SAME sampl\$3	US-PGPUB; USPAT	OR	OFF	2005/03/09 14:16

S11	0	700/94.ccls. and bidirectional adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 16:29
S12	38	"381"/\$.ccls. and (dual or multi-function\$3) adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:02
S13	0	"381"/57-59.ccls. and (dual or multi-function\$3) adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:06
S14	0	"381"/96.ccls. and (dual or multi-function\$3) adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:03
S15	0	"381"/96.ccls. and bidirectional adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:04
S16	1	"381"/96.ccls. and bilateral adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:05
S17	0	"381"/111-117.ccls. and bilateral adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:06
S18	0	"381"/83.ccls. and (dual or multi-function\$3) adj3 transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:20
S19	1	"20030118193"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:22
S20	0	381/96.ccls. and modulats\$ SAME sampling	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:23
S21	19	381/96.ccls. and sampling	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/09 17:23
S22	17	"4101735"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 10:51
S23	17	"4101735"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 10:52
S24	0	381/110.ccls. and bi-directional SAME ((voice or audio) adj3 frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:15
S25	1	"381"/\$.ccls. and bi-directional SAME ((voice or audio) adj3 frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:07
S26	18	"379"/\$.ccls. and bi-directional SAME ((voice or audio) adj3 frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:10

S27	1	"379"/\$.ccls. and (bi-directional or bidirectional) SAME ((transducer) or (loudspeaker or speaker) SAME microphone) SAME ((voice or audio) adj3 frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:13
S28	5	(bi-directional or bidirectional) SAME ((transducer) or (loudspeaker or speaker) SAME microphone) SAME ((voice or audio) adj3 frequency)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:14
S29	0	330/251.ccls. and bi-directional SAME ((voice or audio) adj3 frequency) SAME pulse adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:16
S30	0	330/207A.ccls. and bi-directional SAME ((voice or audio) adj3 frequency) SAME pulse adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:16
S31	0	"330"/\$.ccls. and bi-directional SAME ((voice or audio) adj3 frequency) SAME pulse adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:17
S32	44	"330"/\$.ccls. and ((voice or audio) adj3 frequency) SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:18
S33	22	"330"/251.ccls. and ((voice or audio) adj3 frequency) SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:25
S34	12	"330"/207A.ccls. and ((voice or audio) adj3 frequency) SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:26
S35	31	"330"/10.ccls. and ((voice or audio) adj3 frequency) SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:28
S36	14	"330"/10.ccls. and transducer SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:33
S37	1	"330"/10.ccls. and transducer SAME (loudspeaker or speaker) SAME microphone SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:35
S38	1	"330"/251.ccls. and transducer SAME (loudspeaker or speaker) SAME microphone SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:35
S39	0	"330"/207A.ccls. and transducer SAME (loudspeaker or speaker) SAME microphone SAME pulse adj3 width adj3 modulatz3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:36

S40	0	381/120.ccls. and transducer SAME (loudspeaker or speaker) SAME microphone SAME pulse adj3 width adj3 modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:36
S41	0	381/111-117.ccls. and transducer SAME (loudspeaker or speaker) SAME microphone SAME pulse adj3 width adj3 modulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 16:59
S42	74	"5221881"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:01
S43	25	"5285135"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:01
S44	22	"5297024"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:02
S45	21	"5566369"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:03
S46	29	"5615064"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:04
S47	32	"5838515"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:05
S48	28	"5869946"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:06
S49	11	"6081112"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/03/15 17:06
S50	0	"379"/\$.ccls. and (bi-directional or bidirectional) SAME (transducer) SAME ((class adj3 D) or pulse or modulat\$3) SAME amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 08:52
S51	3	"379"/\$.ccls. and (bi-directional or bidirectional) SAME (transducer) SAME amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 08:56
S52	12	"379"/\$.ccls. and (class adj3 (D or G)) SAME amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:03
S53	0	"379"/\$.ccls. and (class adj3 (D or G)) SAME amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:14

S54	21	"379"/\$.ccls. and amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:10
S55	0	"379"/\$.ccls. and transducer SAME (two-way or bidirectional or bi-directional) SAME amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:05
S56	0	"379"/\$.ccls. and transducer SAME (two-way or bidirectional or bi-directional) SAME amplifier SAME interface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:05
S57	7	"379"/\$.ccls. and transducer SAME (two-way or bidirectional or bi-directional) SAME interface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:05
S58	0	S57 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:05
S59	0	330/251.ccls. and (class adj3 (D or G)) SAME amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:14
S60	0	330/207A.ccls. and (class adj3 (D or G)) SAME amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:14
S61	0	330/10.ccls. and (class adj3 (D or G)) SAME amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:15
S62	0	"330"/\$.ccls. and (class adj3 (D or G)) SAME amplifier SAME interface SAME speakerphone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:15
S63	0	381/116-117ccls. and (class adj3 (D or G)) SAME amplifier SAME (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:16
S64	0	381/116-117.ccls. and (class adj3 (D or G)) SAME amplifier SAME (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:22
S65	7	381/116-117.ccls. and (class adj3 (D or G)) SAME amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:39

S66	15	381/120.ccls. and (class adj3 (D or G)) SAME amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:21
S67	0	381/96.ccls. and (class adj3 (D or G)) SAME amplifier SAME (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:23
S68	0	381/96.ccls. and (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:35
S69	0	381/83.ccls. and (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:23
S70	1	381/93.ccls. and (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:24
S71	2	381/57-58.ccls. and (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:25
S72	0	381/83.ccls. and (bidirectional or bi-directional) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:25
S73	129	381/83.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:25
S74	5	381/83.ccls. and ((class adj3 (D or G)) or (pulse adj3 width adj3 modulat\$3) or PWM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:26
S75	8	381/93.ccls. and ((class adj3 (D or G)) or (pulse adj3 width adj3 modulat\$3) or PWM)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:26
S76	9	381/96.ccls. and sampling SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:35
S77	19	381/111-117.ccls. and (class adj3 (D or G) or pulse adj3 width adj3 modulat\$3 or PWM) SAME amplifier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 09:44

S78	17	381/111-115.ccls. and modulats\$ SAME sampling	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 10:05
S79	18	381/111-117.ccls. and modulats\$ SAME sampling	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 10:05
S80	0	"379"/\$.ccls. and modulats\$ SAME sampling SAME (bidirectional or bi-directional or two-way) SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 10:07
S81	5	"379"/\$.ccls. and modulats\$ SAME sampling SAME transducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/24 10:07
S82	1	"20030210796"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/24 14:13
S83	1	"20030210796"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/24 14:17
S84	1	"10919649"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/24 14:18
S85	1	"10842714"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/24 14:20
S86	2	"6741707"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/24 14:20
S87	1	"20050031132"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 16:27
S88	1	"20050031131"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 16:29
S89	0	"30030118201"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 16:29
S90	1	"20030118201"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/26 16:29
S91	29	381/111-117.ccls. and ((pulse adj3 width adj3 modulats\$ or PWM) or (class adj3 D))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:50

S92	4	381/111-117.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:52
S93	1	381/58-59.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:52
S94	10	"379"/\$.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:54
S95	2	"379"/\$.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME duplex	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:56
S96	0	"379"/\$.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME duplex SAME (speaker or loudspeaker) SAME microphone	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:56
S97	0	"379"/\$.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME duplex SAME transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:56
S98	1	"381"/\$.ccls. and ((pulse adj3 width adj3 modulat\$3 or PWM) or (class adj3 D)) SAME duplex SAME transducer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:57
S99	74	"5221881"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:57
S100	25	"5285135"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:58
S101	22	"5297024"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:58
S102	21	"5566369"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 14:59
S103	30	"5615064"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:00
S104	32	"5838515"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:02
S105	28	"5869946"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:03

S10 6	11	"6081112"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:29
S10 7	453	audio adj3 frequency adj3 circuit	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:29
S10 8	17	transducer SAME audio adj3 frequency adj3 circuit	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:33
S10 9	34	"379"/\$.ccls. and audio adj3 frequency adj3 circuit	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:37
S11 0	63	"379"/\$.ccls. and frequency adj3 circuit SAME (speaker or loudspeaker)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:37
S11 1	33	"379"/\$.ccls. and frequency adj3 circuit WITH (speaker or loudspeaker)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/27 15:37
S11 2	32	"5838515"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:19
S11 3	11	"6081112"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:21
S11 4	28	"5869946"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:21
S11 5	30	"5615064"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:23
S11 6	21	"5566369"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:24
S11 7	22	"5297024"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:25
S11 8	25	"5285135"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:25
S11 9	74	"5221881"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/05/30 17:25